

AMENDMENTS TO THE SPECIFICATION

Please amend paragraph [02] beginning on page 1, line 7 as follows:

[02] It is well known in the prior art to utilize exposed friction clutches to manage the transmission of power from the power take off of a tractor to a piece of agricultural machinery such as irrigation systems, sprayers, sprinklers, mowers, shredders, cutters, tillers, balers, harvesters, seeders, planters and the like. Such clutches provide a torque limiting capability for drive lines on the equipment to protect the various driven components under conditions where excessive amounts of power are required, such as when a machine ~~has~~ is plugged with crop. These prior art clutches are generally comprised of an input drive shaft with a drive plate secured thereto and an output drive shaft with a pressure plate mounted thereon to permit axial sliding of the pressure plate along the output shaft, while restraining the pressure plate to rotate in conjunction with the output shaft. A fixed hub or shoulder is also securely attached to the output shaft with a biasing element disposed between the hub and the pressure plate to urge the pressure plate against the drive plate. Typically one or more fasteners mounted on the fixed hub can be adjusted to alter the spring pressure of the biasing element, thereby adjusting the friction between the two plates and the maximum torque that can be passed therebetween. In operation, the clutch will slip if the torque applied to it exceeds the torque transmitting capability of the plates. In normal operation, the fasteners are used to set the maximum operating torque for the particular piece of equipment with which the clutch is used. If the power requirements of the aforementioned machinery exceeds that permitted by the force of the springs, the clutch will slip or otherwise disengage to prevent damage to the tractor or equipment.

Please amend paragraph [12] beginning on page 5, line 15 as follows:

[12] With reference to Fig. 2, agricultural machinery 10 is shown attached to a tractor 12. A power take off driveline 14 extending from tractor 12 is coupled to the input drive shaft 16 of the agricultural equipment 10 via a ~~gearbox18~~ gearbox 18 and an enclosed mechanical clutch mechanism 20.